STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES AND ENERGY
DIVISION OF OIL, GAS AND MINING
4241 State Office Building
Salt Lake City, Utah 84114
Telephone: (801) 533-5771



DIVISION OF OIL, GAS & MINING

NOTICE OF INTENTION TO COMMENCE MINING OPERATIONS and MINING AND RECLAMATION PLAN

Based on Provisions of the Mined Land Reclamation Act, Title 40-8, Utah Code Annotated 1953, General Rules and Regulations and Rules of Practice and Procedures, By Order of the Board of Oil, Gas and Mining.
Mine Name: Remond Bentonite Pit Mine Plan Date:
File No.: ACT/041/012 Date Received:
Operator: Western Clay Company DOGM Lead Reviewer:
Mineral(s) to be Mined:
Please attach other sheets as needed and include cross-reference page numbers when used.
1. Name of Applicant or Company: Western Clay Compnay Corporation (X) Partnership () Individual ()
2. Address: Permanent: P.O. Box 1067 Aurora, UT 84620 Temporary:
3. Company Representative: Name: T.E. Robison Title: General Manager Address: 655 MT. VIEW DR. Richfield, UT 8470Phone: 801-896-6693
4. Location of Operation: County(ies) Township(s): 2/S Range(s): 1/W Section(s): 2 Township(s): Range(s): Section(s): Township(s): Range(s): Section(s):
5. Owner(s) of record of the surface area within the land to be affected:
Name: Utah Division of State Lands Address: Name: Address: Address: Name: Address: Address:

6. Owner(s) of record of the mineral	s to be mined:	
Name: Utah Division of State Lands Name: Name: Name:	Address:	
 Owner(s) of record of all other many part of the land to be affect 	ninerals, includ ed:	ing oil and gas, within
Name: N/A Name:		
B. Have the above owners been notifi why not? N/A		() Yes, () No. If no,
Have you or any other person, par you received an approval of a Not Operations by the State of Utah f herein? () Yes, (X) No. If yes surety:	ice of Intention or operations of	n to Commence Mining
O. Source of Operator's legal right land to be covered by this Notice	to enter and cor	nduct operations on the
Utah State Mineral Lease		
1. Give the names and mailing addres Partner (or person performing a s	ses of every pri imilar function)	ncipal Executive, Office, of Applicant:
Name Titl	e	Address
M. Ken Johnson Vic	esident ce Pres.	P.O. Box 1067, Aurora, UT
Thomas E. Robison Sec	cretary, General	Same as Above Manager Same As Above

12.	Has the Applicant, any subsidiary or affiliate or any person, partnership,
	association, trust or corporation controlled by or under common control
	with the Applicant, or any person required to be identified by Item 11
	ever had an approval of a Notice of Intention to Mine or Explore withdrawn
	or has surety relating thereto ever been forfeited? () Yes, (X) No.

If yes, please explain:										

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Please note: Section 40-8-13 of the Act provides that information relating to the <u>location</u>, <u>size or nature of the deposit</u>, and marked confidential by the Operator, shall be protected as confidential information by the Board and the Division and not be a matter of public record in the absence of a written release from the Operator, or until the mining operation has been terminated as provided in Subsection (2) of Section 40-8-21 of the Act. This material should be so marked and included on separate cross-referenced sheets.

- 13. All maps and plans prepared for submission shall be of adequate scale and detail to show topographic features and clearly indicate the following details:
 - A. Location and delineation of the extent of the land previously see map P3A affected, as well as the proposed surface disturbance.
 - B. Existing active or inactive, underground or surface mined areas. See Map P3A C. Boundaries of surface properties, including ownership.All areas are property
 - D. Names and locations of: of the State of Utah.
 - (1) Lakes, rivers, streams, creeks and springs. None
 - (2) Roads, highways and buildings. County roads No. 25631 & 25637
 - (3) Active or abandoned facilities. N/A
 - (4) Transmission lines within 500 feet of the exterior limits of land affected. None
 - (5) Gas and/or oil pipelines. None
 - (6) Site elevation. 5200-5300
 - E. Drainage patterns of land affected: See map P38
 - (1) Overburden or topsoil removal and storage areas. See map P3B
 - (2) Areas susceptible to erosion. None
 - (3) Natural waterways. None
 - (4) Constructed drainages, diversions, berms and sediment ponds (design calculations shall be included). None
 - (5) Receiving waters (State Health classification). N/A
 - (6) Directional flow of all surface waters (indicated by arrows).
 - F. Known drill holes: N/A
 - (1) Location.
 - (2) Status.

(3) Depths and thicknesses of:*

a. Water bearing strata. N/A

b. Mineral deposits. 50' or more

c. Toxic or potentially toxic materials. N/A

d. Surficial or plant supporting material (topsoil and subsoil). Varies from 0" to 18" Averages approx 8".

G. Locations of disposal and stockpile areas:

(1) Topsoil and subsoil storage areas. See map P3B

(2) Overburden storage area. None

(3) Waste, tailings, rejected materials. None

(4) Raw ore stockpile(s). See map P3B

(5) Tailings-ponds and other sediment control structures. None

(6) Discharge points, water effluents (see #15[D]).

All maps should have a color code or other suitable legend used in preparation to clearly indicate surface features of the land affected. A general reference map completed on a 7.5 (1:24,000) USGS quadrangle sheet is recommended with additional large scale maps included for practical delineation of individual facilites, (e.g., 1:200, 1:500).

14. Acreage to be disturbed:

A. Minesite (operating, storage, disposal areas, etc.): 3 to 5 acres

B. Access/haul roads/conveyors: 0.1 acres

C. Associated on-site processing facilities: Possible on site Portable screening

15. Describe mining method to be employed, including:

A. Mining sequence:

(1) Map delineating the yearly sequential disturbance (if surface mine) and/or surficial disturbance. See map P4A & Narrative P4B

(2) Narrative (including on-site processing or mineral treatment):

An area of approximately 3 acres will be stripped of topsoil.

The topsoil will be stockpiled and stabilized with vegetation.

The exposed bentonite will be ripped and then disced during the summer months to allow it to air dry. The dried layer of bentonite will then be removed to an adjacent stockpile and the discing - drying process repeated. Some screening of dried stockpiled material may be done on site from time to time with a portable screening plant.

Attach supplemental sheets and/or diagrams as necessary with cross reference to page number here: P4A .

^{*}Stratigraphic or lithologic logs if correlated to footage depths may be presented when labeled (maps or logs should be labeled confidential, if so desired).

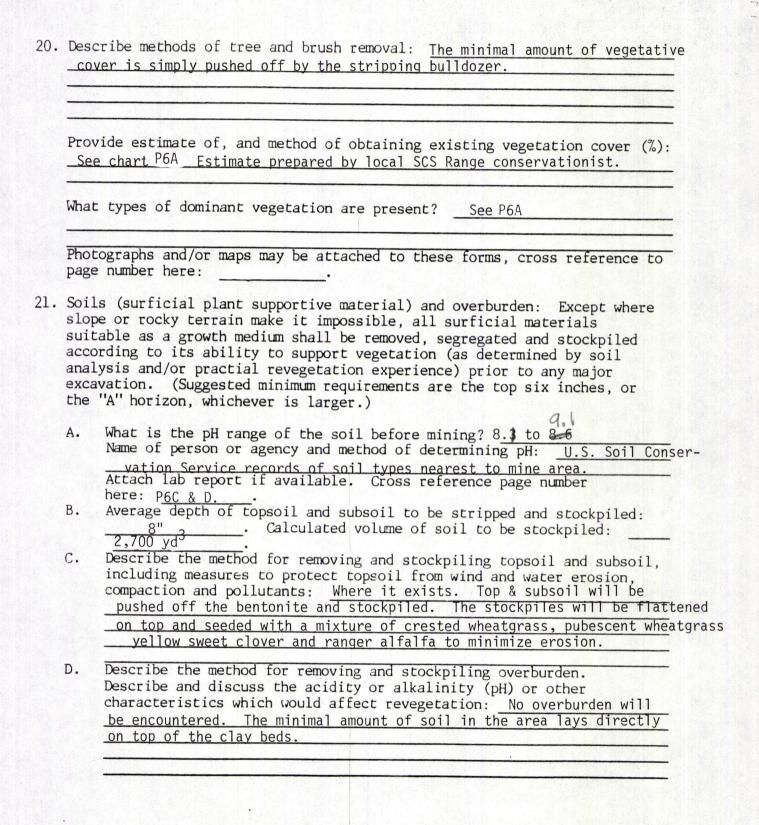
	В.	<pre>If sedimentary deposit seam(s): (1) Thickness(es): Varies from 5' to over 100' (2) Dip:</pre>
	С.	(3) Outcrop: Bentonite outcrops throughout lease area /// defined beyond an Will any underground workings or aquifers be encountered? () Yes extremely smal (XX) No. If yes, describe potential impacts and protection measures area to be taken:
	D.	Describe any active discharge or proposed discharge of water from mine or site area. Include water quality data and lab test reports. If attached sheets or reports are included, cross reference to page number here: Page 5A .
L6.	Have will	all necessary water rights been appropriated? () Yes, (XX) No. How water be obtained? Please explain: No water is necessary
.7.	Will	osed or estimated duration of mining operation: the permit term be for a lesser amount of time, subject to review? for surety estimate reasons). () Yes, (XX) No. If yes, how long?
8.	A. B.	ribe the construction and maintenance of access roads including: Procedures (drainage and erosion control methods). Cross section(s). Profile(s) of proposed road grade(s).
		Approximately 200 yards of pre-existing road is all that is involved. This roadway is simply a bladed off pathway to the deposit. No drainage or erosion control is necessary.
	B. C.	No cross section is presented due to the shortness and minimal use of the road. No profile is presented for the above reasons.
	See	Map P4-A
	Attac here:	th supplemental diagrams and cross reference to page number
L9.	Curre	land use(s): Extremely limited grazing. Int land use(s): Bentonite mine ble projected or prospective future land use(s): Extremely limited grazing

Bentonite Clay is nearly impermeable to water percolation. As a result any precipitation falling on the area is collected in the low spots. One pit which is presently being mined is the collecting basin for quite a large area.

Prior to mining this pit in the spring time, the collected water must be pumped out and the pit floor allowed to dry out. This entails the pumping of approximately 10 to 20 thousand gallons of water. The water is pumped with a small gasoline powered pump through a 2" discharge hose. The water discharged simply follows the natural drainage to the west usually soaking into the ground. Occasionally the water will reach a nearby farm where it is used for irrigation by the farmer.

This entire pumping process rarely exceeds 24 hours total pumping time in any year.

A water sample is being sent for analysis and the results will be forwarded to the Division of Oil Gas & Mining as soon as it is received.



P. 6-A UT-ECOL SCI-2 RANGE CONDITION RECORD USDA (Rev. 3/83) Soil Conservation Service File: 190-19 Write-up No. (8" annual ppt.) Site Name Badlands Ranch Western Soil Taxonomic Unit Profile No. Exposure Elevation Vegetative Aspect Location: T. 215 R. 1W Sec. 2 1/4 NW 1/4

Date: 4-2-83 Field Office Range Conservationist: (1) (2) (6) % Climax
by wt. CONDITION CLASS INDICATORS: Proper use factor Weighted Present Evaluate each indicator in relation to climax for the site. (Circle those that apply). Plant Symbol or % Climax | Accelerated | Population | % Plant | Condition Group Common Plant Names Vegetation | Erosion Density | Diversity Excellent and Plants 3/4 to full| 100-76 100-76 (Climax) None Slightly Good 1/2 to 3/4 75-51 75-51 Active (Late seral) Moderately Fair (Mid seral) 50-26 | Active 1/4 to 1/2 50-26 Grass-like Severely Poor O to 1/4 | TREND INDICATORS: (Early seral) Active Plant Vigor: Poor Seedlings and young plants: poor Litter and mulch: very little Condition of soil surface: Slightly eraded. Apparent Trend: Improving Declining Static EROSION COMPUTATION DATA = 100% Surface Fragments Ground Cover (Litter and vegetation within 1 inch of soil surface) 0.5m 2m 25% 50% Height of canopy: Canopy Cover: Slope 6-8 % 0 75% Slope Length Zoo ft. LS C Wind Erosion Data: Climate Sof1 WEG Unsheltered distance Veg. Cover Soil Loss (sheet and rill) tons/acre/year Soil Loss (gully erosion)
Soil Loss (wind) tons/acre/year tons/acre/year USE DATA Use History: Kind of Animal: Season of Use: Burning History: Present Utilization 0 % of Estimated Utilization Efficiency: Notes: Bare ground tragments Plot H % 23 TOTAL Total Annual Yield 300 1bs/Ac. air-dry (Understory if woodland)

INSTRUCTIONS Range Condition Record

Column 1 - Show % of total annual yield for each group of plants.

Column 2 - List common names or plant symbols from List of Scientific and Common Plant Names for Utah. Column 3 - Show % by air-dry weight of the total annual yield that each plant presently comprises.

Column 4 - List % of species shown in the site description or the % in Column 3, which ever is less. (See Standards)

Column 5 - Show the % that each species should be used to achieve proper grazing use of the plant community. and Specifications for Proper Grazing Use-528.)

Column 6 - Weighted PUF (Proper Use Factor) = Column 3 x Column 5. The total of this column is the weighted PUF for the present plant community.

CONDITION CLASS INDICATORS

% Climax Vegetation - Circle the block where the total of Column 4 occurs. Accelerated Erosion - Show current erosion as related to climax condition.

Population Density - Show current density (number of plants per unit area) as related to density in climax

condition.

- Show the % of plants that make up 3% or more of the climax plant community that still % Plant Diversity

occur in the present plant community.

- Circle the block which gives the final ecological condition rating based upon Condition Rating

consideration of all 4 condition class indicators.

TREND INDICATORS

List conditions observed for each of the 4 trend indicators listed, as applicable.

- Circle "Improving", "Declining", or "Static" as determined based upon consideration of Apparent Trend all 4 trend indicators (See National Range Handbook, Section 307).

EROSION COMPUTATION DATA

List % of bare ground, surface fragments, and ground cover (litter and vegetation within 1 inch of, or in contact with the soil surface). These should total 100%.

Height of Canopy - Circle the height that best represents the average fall height of waterdrops falling

from the canopy to the ground. m = meters.

Canopy Cover - Circle the % that best represents the portion of the ground surface that would be

hidden from view by canopy in a vertical projection.

- Record the % slope of the area represented by this write-up.

Length of Slope - Record the length of slope in feet for the area represented by this write-up, as

defined in the Universal Soil Loss Equation booklet for Utah.

For USLE factors and definitions, use the Universal Soil Loss Equation booklet for Utah.

For Wind Erosion Data insert values as defined in Utah Guide for Wind Erosion Control.

USE DATA

Use History - Show past grazing history of the area: none, slight, moderate, heavy, severe.

Kind of Animal

- Enter codes to indicate kinds of grazing animals: A = antelope, B = bison, E = elk, G = goats, H = horses and mules, S = sheep, or list others.

- Show the season or seasons when the area is grazed: (-) = unknown, 1 = spring, 2 = summer, 3 = fall, 4 = winter, 5 = specialized grazing system, 0 = not grazed. Season of Use

Burning History - (-) = unknown; 1 = rarely, if ever, burned; 2 = occasionally burned;

3 = systematically burned.

Present Utilization - Show current % utilization of key species where the write-up is made and list the

species used to judge utilization.

Estimated Utilization Efficiency - Show the % of usable forage that is actually being (or will be) utilized.

Steepness of slope, size of pasture, kind of animal, intensity of management, distance from water and salt, etc. are factors that affect utilization efficiency.

	gravely loam (SMD2 Date 9		Soil typ
	c Calciorthid Areal. P.R.		4
N. veg. (or crop)	Nathmisw. NW/+ Sec. 23, T215, Rage-Black sage-India Olimate Sand	dropsack acattered Jumpan	Pe
Parent material Sandah	one-Limestone		
Physiography Rolling	hills		
Relief	Drainage Somewhat excessively	Salt or alkali	
Elevation 6080	Gr. water	Stoniness	
Slope 4 %	Moisture		
Aspect S	Root distrib.		
Erosion			
Permeability Moterat	le rapide		
	Strongly Cemented		File No.
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3Ca	23-29	54R7/3	11		inst.	50 60% Ug-L	D.	h	4	55 <i>P</i> S	8.+e	900		
4	29-48	54R7/4	ff	5486/6	inst	195L	89	Sh	ufv	50 PE	8.4 e	s gm		
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Soil type San perte	gravelly loam	I	Date 6/21/7/	Stop No.			
Classification		Area R	1ch field				
Location balky far	ms 1FF-158			Elev.			
N. veg. (or crop)		Climate					
Parent material							
Physiography		工程模型法 法					
Relief	Drainage	有数数。图图	Salt or alkali				
Elevation	Gr. water		Stoniness				
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Permeability		UNIX HERE			_		
Additional notes							
& THE SERVICE CONTRACTOR					30		

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CHCa	9-20	104A7/3	16VR5/3	40929		5h	5+	SS-PO		1
(1	98-36	104R7/3	10 YR 5/3	1950		56	51-	55:00	8.6	
رع	36-48	10-18 7/3	104RG/3	951		5 h	VEZ	50-00	8:6	
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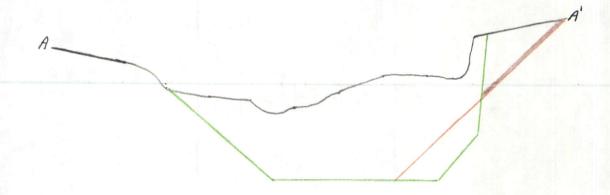
Ε.	Rock subjected to processing such as waste rock, tailings, etc., and which is to be disposed of on- or off-site must be subjected to a toxicity analysis. The method of determination, results and suitable disposal methods must be explained in detail, including means for containment and long range stability*:No processed material will be
	diposed of at the site.

- 22. Describe the methods used to minimize public safety and welfare hazards during and after mining operations including:
 - A. Shaft, tunnel and drill hole closure.
 - B. Disposal of trash, scrap metal and wood and extraneous debris, waste oil and solvents, unusable buildings and foundations, sewage and other materials incident to mining.
 - C. Posting of appropriate warning signs and/or fences or berms to act as barriers (e.g., above highwalls) in locations where public access is available.
 - A. N/A
 - B. Trash & debris will be disposed of at the nearby Redmond waste disposal area.
 - C. Any highwalls actually made by Western Clay Compnay during our present operations will be either fenced of berms will be constructed to provide public protection.

^{*&}quot;Toxic" means any chemical or biological or adverse characteristic of the material involved which could reasonably be expected to negatively affect ecological or hydrological systems or could be hazardous to the public safety and welfare.

23. Grading and soil redistribution.

Α.	ALL	ach pre- and postmining contour cross sections, typical of
В.	Deg	rading designs. Cross reference to page number here: P 8A-B-C . cribe the method(s) of overburden replacement and stabilization
-	and	highwall elimination, including: (a) slope factors; (b) lift
	heis	ghts; (c) compaction; (d) terracing, etc., (e) also include
	tesi	ting procedures: No overburden replacement is anticipated.
	Δ	Where it is feasible to do so, highwalls will be eliminated by bull-
	Δ.	dozing the crest off to the natural abole of repose or a 1 to 1 slope
		whichever is less.
	B-C	Control of lift heights and compaction is not expected to be
		necessary.
	D.	Terracing will be employed where feasible on highwalls which cannot
		be eliminated by the method outlined in (A) above.
	E	Testing is not anticipated to be necessary.
·C	T	
C.	wnat	method of spreading topsoil and subsoil or upper horizon
	mate	erial on the regraded area will be employed?
	As	self propelled scraper will redistribute the upper horizon material.
	1.	Indicate the approximate depth of soil cover after final
	••	surfacing of inches
	2.	Surfacing 8 inches. What tests will be performed to adequately evaluate the
		potential of the soil to successfully support intended
		revegetation? See narrative, page 8-E and map page 8-D.
		oce harracive, page o-L and map page o-D.
	3.	What soil amendments or fertilizers will be needed as an aid to
		revegetation?
		Type: Rate:
		Type: Rate:
		Type: Rate:
	4.	What additional surface preparations will be used? Describe (a)
		drainage, erosion and sediment control measures; (b) maximum
		slope characteristics; and (c) highwall reclamation.
		A. The area involved is actually quite small and receives minimal
		precipitation so no erosion or sediment control measures are
		necessary.
		B. Slopes will be graded to a maximum 1 to 1 where possible.
		C. Highwalls actually made by Western Clay Co. in its present
		operation will be sloped to a 1 to 1 slope where possible and an
		remaining highwalls will be either fenced, or protected by
		adaquate berms.



LEGEND:

PRESENT PIT CROSS SECTION	oN
PIT ULTIMATE AND SLOPE	Specific According to the Section Floring and Section Floring to the Association of the Section Association (Association Association Assoc
POST MINING RE GRADING	
TOPSOIL REPLACEMENT	
LEVEL OF PIT ENTRANCE	And the last fact for the form of the contract

SECTION B-B' OUTLINED ON P 8-A
SCALE 1" = 50"

PRE-MINING SLOPE 6-8% AVZ,7%

AREA TO BE MINED OUT

(MAY POSSIBLY BE DEEDER THAN ILLUSTRATED)

LEGEND

PIT ULTIMATE AND SLOPE ______
TOPSOIL REPLACEMENT

All the areas to be mined fall within lands classified B-1 or badlands by the U.S. Soil Conservation Service. There are some areas where there is vegetation which will be disturbed. Revegetation will be attempted in these areas. A test plot location will be selected at some previously disturbed area which was abandoned by the previous operator. This plot will be constructed at a site which is mutually agreed upon by Western Clay Co. and D.O.G.M. personnel so as to approximate post mining conditions as nearly as possible. The reason for siting the test plot this way is that none of the active mine areas will have any locations where contemporaneous reclamation will be possible.

5. Describe methods which may be particularly applicable to waste disposal areas determined to be potential problem areas.

No waste disposal problems are anticipated.

D. Describe plans for either leaving or reclaiming the roads and pads associated with the operation.

Roads and pads will be graded. disced and seeded with an approved seed mixture wherever adequate topsoil is available to make this feasible. Other areas will be graded to conform to existing terrain.

24. Impoundments: All evaporation, tailings and sediment ponds; spoil piles, fills, pads and regraded areas shall be self-draining and nonimpounding when abandoned unless previously approved as an impounding facility by a lawful state or federal agency. In view of this, please describe the reclamation of all related areas in the operation and include pertinent items enumerated in C, 1-5 above.

At the time Western Clay Co. took over this property, there were three existing pits which, due to the nature of Bentonite Clay, impound any water that runs into them. No plans are made to remedy these areas. Other areas which may be mined will have to address this problem on a case by case basis.

25. Revegetation plans:

A. What organization, agency or person will specifically be performing the revegetation? <u>Western Clay Co.</u>

B. Will the affected area be subject to livestock or wildlife grazing?

() Yes, () No. Will vegetation protection be needed to allow for a determination of the successful revegetation criteria outlined in the Mined Land Reclamation Act, Rule M-10(12)? () Yes, (X) No. If yes, what measures will the operator take?

No livestock enter the area and the only wildlife in the area are jackrabbits, against which fencing is all but impossible.

C.	Will	irrigation				Type:	
			 For ho	W	long?		

D. Test plots initiated during the early stages of mine development provide good bases from which a successful revegetation program can be adapted for later implementation. Will test plots be employed?

(X) Yes, () No. If yes, describe on an additional sheet(s) and attach. Cross reference page number here and show location on facilities map: See Narrative Page 8-E.

E. Please attach a revegetation plan and schedule including:

1. Species to be used. See page 10-B

Rate of seed application/acre.

3. Season to be planted.

4. Seedbed preparation techniques.

5. Planting location, slope face direction, variability, method of application, covering, etc.

6. Mulch and fertilizer application, if used.

- F. Describe any other maintenance procedures which may be used, if needed, to guarantee successful revegetation:
- 26. Please provide a reclamation schedule including:
 - A. Estimated time for construction.
 - B. Estimated time for interim reclamation.
 - C. Estimated duration of the mining operation.
 - D. A time table for the accomplishment of each major step in the reclamation plans. Attach the schedule and cross reference to the page number here: Page 100
- 27. A surety guarantee must be provided for the mining operation (see Rule M-5 Mined Land Reclamation Act). In calculating this amount, the Division will consider the following major steps based on the information provided in this report:
 - A. Clean up and removal of structures.

B. Backfilling, grading and contouring.

C. Topsoil and subsoil redistribution and stabilization.

D. Revegetation (i.e., preparation, seeding, mulching, irrigation).

E. Labor.

F. Safety and fencing.

G. Monitoring, and reseeding if necessary.

To assist the Division, the operator may attach a list of costs and factors which would satisfy these areas. Substantiation of these factors, i.e., unit costs and how they are derived, should accompany the list. Cross reference the page number here: Page 100.

28. A request for a variance from specific commitments to Rule M-10 (Reclamation Standards) of the Mined Land Reclamation Act may be submitted with adequate written justification. If after presentation of information adequately detailing the situation, a determination is made that finds a portion of the rule inapplicable, a variance may be granted by the Division.

Revegetation seed mix and application rate as recommended by localS.C.S Range conservationist.

SPECIES	LBS Pure Live Seed/acr
* Needle & Thread	1
Crested Wheatgrass	3
* Sand Dropseed	2
Yellow Sweet Clover	1
Siberian Wheatgrass	2
* Indian Ricegrass	2
* Shadscale	4
TOTAL	15
* Indicates presently ex	cisting species

All planting will be done in the \mathbf{F} all in order to take advantage of Winter precipitation.

After the upper horizon material has been re-distributed, it will be harrowed to prepare a suitable seedbed.

The areas which will be reseeded all are on Northwest slopes.

Seeding will be accomplished with a conventional rangeland drill.

Reclamation Schedule

- A. Estimated time for construction Construction of the mine areas are presently in progress and will continue into the forseeable future.
- B. Estimated time for interim reclamation
 Interim reclamtion, if any, will most likely begin on active area #1
 Identified on page 4-A of this submittal. This reclamation is entirely dependent on the amount of Bentonite in this location. As is noted earlier in this submittal, the extent of mineable clay deposits in any one location is impossible to define accurately, due to the extreme geologic upheaval and resulting complexity of the area.
- C. Estimated duration of the mining operation estimated mine life is 20 years.
- D. See B above.

- A. Cleanup and removal of stuctures.
 No structures will be built.
- B. Backfilling, grading and contouring Estimated 24 hrs CAT D-7 @ \$65.00hr Labor included. =\$1560.00
- C. Topsoil and subsoil redistribution and stabilization. 2700 yd 3 topsoil to be redistributed by self propelled scraper @ 20 yd 3 /load x 10 loads/hr = 200 yd 3 /hr 2700 yd 3 200 yd 3 /hr = 13.5 hr 13.5 hr x 100.00/hr = \$1,350.00 labor included
- D. Revegetation

4 acres to be reseeded x 60.00/acre seed mix cost = \$240.00 Reseeding 4 acres 2 hours equipment time at 40.00/hr = \$80.00

- E. Labor Estimated 10 man hours @ \$ 8.00/hr = \$80.00
- F. Safety & Fencing
 Contructing safety berms on highwalls
 4 hours CAT D-7 @ \$65.00/hr =\$260.00
 Fencing including labor Estimated at \$250.00
- G. Monitoring and reseeding if necessary

1 man day/year @ \$50.00/day for 5 years \$250.00

I hereby commit the applicant to comply with Rule M-10, 'Reclamation Standards' in its entirety, as adopted by the Board of Oil, Gas and Mining on March 22, 1978.

The applicant will achieve the reclamation standards for the following categories as outlined in Rule M-10 on all areas of land affected by this mine, unless a variance is granted in writing by the Division.

Rule	Category of Commitment	Variance Requested?
M-10(1)	Land Use	
M-10(2)	Public Safety and Welfare	
M-10(3)	Impoundments	
M-10(4)	Slopes	
M-10(5)	Highwalls	
M-10(6)	Toxic Materials	
M-10(7)	Roads and Pads	
M-10(8)	Drainages	
M-10(9)	Structures and Equipment	
M-10(10)	Shafts and Portals	
M-10(11)	Sediment Control	
M-10(12)	Revegetation	
M-10(13)	Dams	
M-10(14)	Soils	

I believe a variance is justified on a site-specific basis for the previous subsections of Rule M-10 as indicated. A narrative statement explaining these concerns is attached.

STATE OF UTAH	
COUNTY OF SEVIER	
I, <u>Jhomas E. Jeosison</u> depose and attest that all of the repre application are true to the best of my complete and file this application on be application has been executed as require	knowledge; that I am authorized to ehalf of the Applicant and this
Taken, subscribed and sworn to before said county, this _/ day of	me the undersigned authority in my
Notary Pul My Commission Expires: May 0/	1,1984

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PLEASE NOTE:

Section 40-8-13(2) of the Mined Land Reclamation Act provides for maintenance of confidentiality concerning certain portions of this report. Please check to see that any information desired to be held confidential is so labeled and included on separate sheets or maps.

Only information relating to the <u>location</u>, size or nature of the deposit may be protected as confidential.

Confidential Information Enclosed: () Yes () No